



PATENT

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE
UNITED STATES PATENT AND TRADEMARK OFFICE**

The undersigned hereby grants the power of attorney set forth below with respect to the application identified in the statement under 37 C.F.R. § 3.73(b), which will be attached hereto.

I hereby grant power of attorney to FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Customer Number 22,852, as attorneys or agents to represent the undersigned before the United States Patent and Trademark Office in connection with any and all patent applications assigned only to Five Prime Therapeutics, Inc., according to the USPTO assignment records or assignment documents, which will be attached to this form in accordance with 37 C.F.R. § 3.73(b).

Please also send all future correspondence concerning the application identified in the statement under 37 C.F.R. § 3.73(b), which will be attached hereto, to Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., Customer Number 22,852.

The undersigned understands that a copy of this form, together with a statement under 37 C.F.R. § 3.73(b) is required to be filed in each application in which this form is used. The statement under 37 C.F.R. § 3.73(b) may be completed by one of the practitioners appointed in this form to be authorized to act on behalf of the assignee, and must identify the application in which the Power of Attorney is to be filed.

The individuals whose signature and title is supplied below are each authorized to act on behalf of the assignee.

Name: Amy L. Tsui Collins

Title: Vice President, Intellectual Property, Five Prime Therapeutics, Inc.

Signature: Amy L. Tsui Collins

Date: 9/38/2006

Name: Paul B. Simboli

Title: Patent Counsel, Five Prime Therapeutics, Inc.

Signature: Paul B. Simboli

Date: 38 SEPT 2006